Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

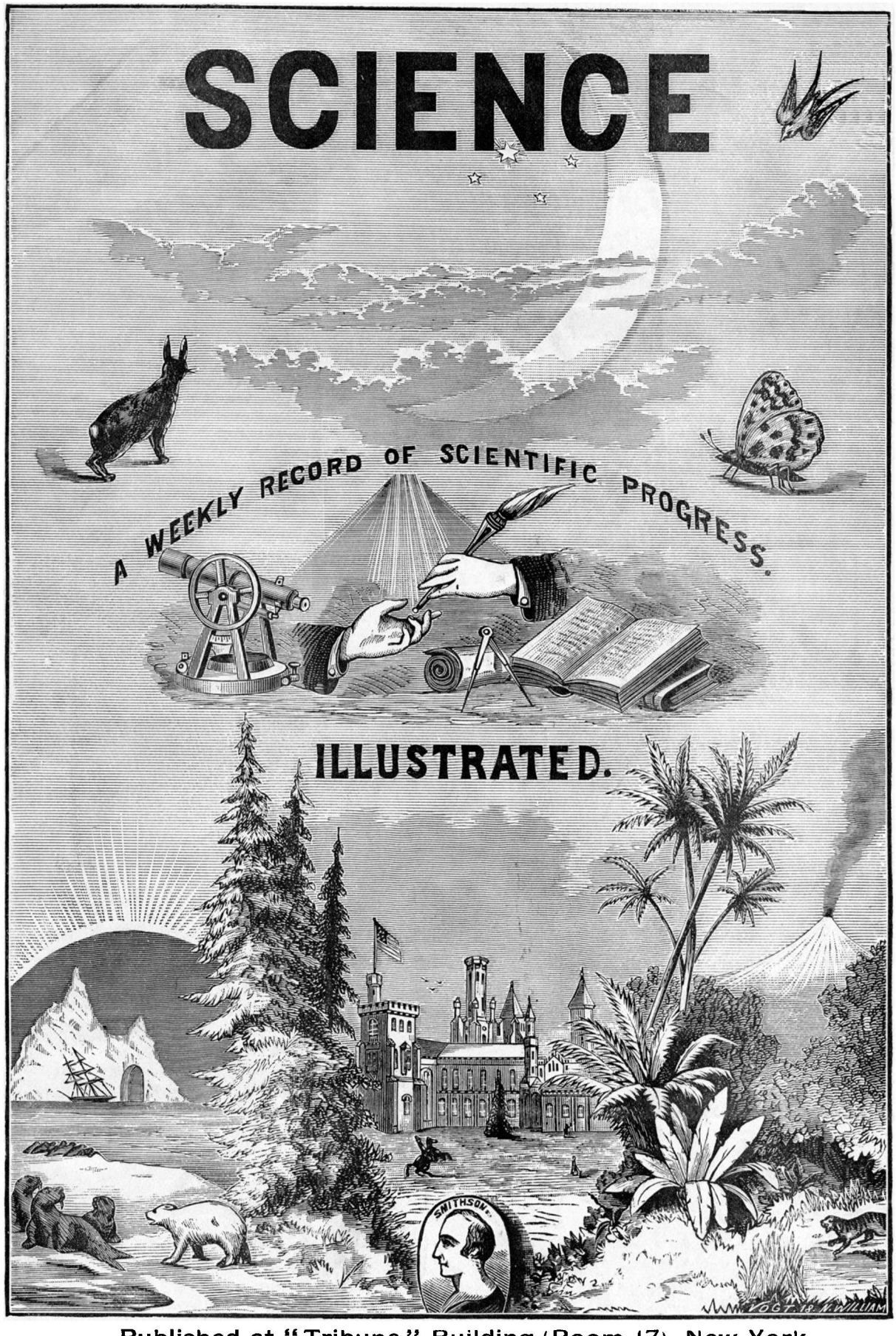
Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Vol. 2.] Whole Number 61. AUGUST 27th, 1881. [Price 10 Cents.



Published at "Tribune" Building (Room 17), New York.

NEW YORK HERALD, June 29, 1880:

"SCIENCE—A Weekly Record of Scientific Progress." It is a handsome, well-printed quarto sheet of 12 pages, with 4 additional pages for advertisements serving as a cover. It counts among its list of contributors Professors Baird and Coues, of the Smithsonian Institution; Holden, of the Naval Observatory, Washington; Marsh, of Yale; Wilder, of Cornell; Young, of Princeton; Abbe, of the Signal Office; Morse, of Salem; Drs. Hammond and Spitzka, of New York, and a considerable number of well-known scientific experts. IT CLAIMS, WITH TRUTH, TO OCCUPY A HITHERTO UNOCCUPIED FIELD IN AMERICAN PERIODICAL LITERATURE, AS THE ONLY FIRST-CLASS WEEKLY JOURNAL IN THE UNITED STATES DEVOTED TO SCIENCE.

Dr. SCOTT'S ELECTRIC HAIR BRUSH

IS GUARANTEED TO CURE

NERVOUS AND BILIOUS HEADACHE IN 5 MINUTES,

NEURALGIA and TOOTHACHE in 5 MINUTES,

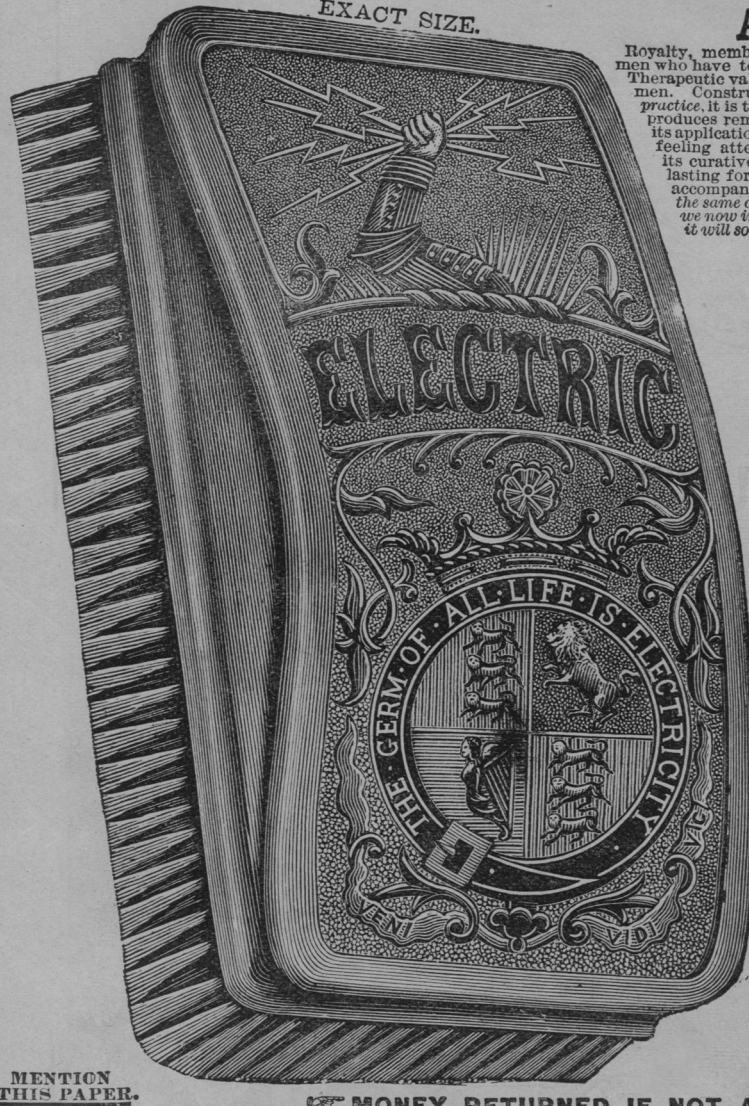
CURES DANDRUFF AND PREVENTS BALDNESS

PRICE, $3.00. Of All Dealers, or of

GEORGE A. SCOTT, 842 BROADWAY, N. Y.

DR. SCOTT'S ELECTRIC FLESH BRUSH.

EXACT SIZE.



ASTONISHING CURES!

Royalty, members of her Majesty's Government, and many professional gentlemen who have tested the power of the brush are unanimous in its praise, and its Therapeutic value cannot be disputed, having the approval of numerous medical men. Constructed upon scientific principles, the *result of twelve years' study and practice*, it is thoroughly and permanently charged with an "Electric" force which produces remarkable cures. It generally gives relief in five to seven minutes, and its application is most agreeable and grateful, there being no shock or unpleasant feeling attending its use. Always doing good, it cannot harm, and aside from its curative powers is a beautiful flesh brush (wet or dry), elegantly carved and lasting for years. Its power can always be tested by a silver compass which accompanies each Brush. *Our Dr. Scott's Electric Hair Brush having met with the same appreciation here, which its excellent merits secured for it in England, we now introduce to the American public his Electric Flesh Brush, confident that it will soon find its way into every household.*

IT CURES

Rheumatism, Sciatica, Gout, Nervous Debility, Lumbago, Neuralgia, Toothache, Malarial Lameness, all Pains and Aches resulting from Colds, Impure Blood, and Impaired Circulation. It acts quickly in Stomach, Liver, and Kidney Troubles, and is a valuable assistant in their Treatment. It quickly Removes those "Back Aches" peculiar to *LADIES*.

It keeps the skin healthy, beautifies the complexion, and imparts vigor and energy to the whole body. People of sedentary habits and impaired nervous powers will find it a valuable companion.

Proprietors: The Pall Mall Electric Association of London. New York Branch: 842 Broadway.

TESTIMONIALS.

ATWOOD'S PHARMACY, Broadway, New York, May 15, 1881.

Dr. Scott: I have sold at retail over my counter, during the last few months, over $3,500 worth of your Electric Brushes at $3.00 each. They give splendid satisfaction, and many have come back and bought the second, third, and fourth one. I have heard many customers praise them highly, and from my own personal knowledge, I know of most remarkable cures attending their use. I cordially recommend them to the public." HERMON W. ATWOOD.

"I prescribe it for my patients with the happiest results. Its cures are unquestionable." DR. JOHN GAVETT GIBSON, F.C.S.

"Better than all liniments and embrocations. We cannot too highly recommend it to the afflicted." SURGICAL GAZETTE.

"For some time past I have suffered from Rheumatism in my knee. I tried your Brush and the result astonished me, in less than three minutes the pain disappeared and I have not had it since. Wishing to convince myself still further, I took it to my place of business and cured two workmen of Neuralgia and a third of Toothache. I am now satisfied with the virtue of your Brush, and do not hesitate to speak a good word for it to suffering humanity."

Yours respectfully, JESSE M. HARR.

Space forbids our publishing innumerable letters of praise and gratitude from those using our Brush. Where addresses are not given they will be furnished with pleasure on application.

MENTION THIS PAPER.

☞ MONEY RETURNED IF NOT AS REPRESENTED.

As soon as you receive the Brush, if not well satisfied with your bargain, write us, and we will return the money. What can be fairer? The Proprietors of this Publication know Dr. Scott to be respectable and trustworthy.

A BEAUTIFUL BRUSH, LASTING FOR YEARS.

We will send it on trial, postpaid, on receipt of $3.00, which will be returned if not as represented.

Inclose 10 cents extra and we guarantee safe delivery into your hands; or will send it by express, C. O. D., at your expense, with privilege of examination: but expressage adds considerably to your cost. Or request your nearest Druggist or Fancy Store to obtain one for you, and be sure Dr. Scott's name is on the box. Remittances should be made payable to **GEO. A. SCOTT, 842 Broadway, New York.** They can be made in Checks, Drafts, Post Office Orders, Currency, or Stamps. LIBERAL DISCOUNT TO THE TRADE. **Agents Wanted in every town.** Send for circular of Dr. Scott's Electric Hair Brush.

CAUTION.—*An attempt has been made to put so-called "Electro Magnetic" Brushes upon the market, but the Post-Office authorities at Washington have published the company as a fraud. We therefore caution the Public to be careful that "Dr. Scott's" name is on the box and "Electric" on the Brush. Ours is not wire, but a pure bristle Brush.*

SCIENCE

A WEEKLY RECORD OF SCIENTIFIC PROGRESS.

ILLUSTRATED.

Entered in the Office of the Librarian of Congress, at Washington, D. C.

No. 61.—Vol. II. August 27, 1881. Price 10 Cents.

THE "ACME" MICROSCOPES.

"Acme" No. 2.

Monocular, . . $100
Binocular, . . . 145

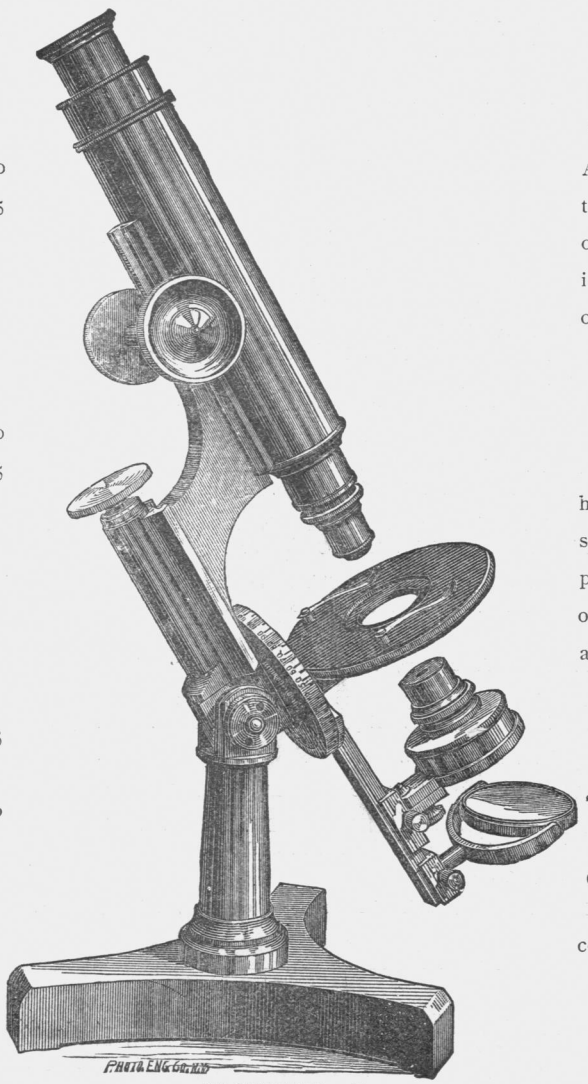
"Acme," No. 3.

Monocular, . . . $50
Binocular, . 75

"Acme" No. 4.

The favorite Laboratory Stand, . . . $25
With 1 inch and ¼ inch objectives, . . . 50

Special Terms made with Colleges.



"ACME" No. 3.

"Acme" Lithological.

A new Stand, after the pattern of the No. 3, for the study of ROCKS; convertible in an instant into an ordinary monocular. $92

All our Stands

have same size of tubing and sub-stage fitting, so that eye-pieces and accessories that fit one Stand can be used with all.

"Congress" Turn-Table

Patented, $6.50.

Gem Turn-Table, $2.50.

Do. Do. with improved centering adjustment, $3.25

HOLMAN'S COMPRESSOR, THE LATEST AND THE BEST, $4. MECHANICAL FINGER. $F.

JOHN W. SIDLE & CO., Lancaster, Pa.

Send for Catalogue.

APPROVED TEXT BOOKS,

FOR COLLEGES, HIGH SCHOOLS, SEMINARIES, ETC.

IVISON, BLAKEMAN, TAYLOR & CO., PUBLISHERS,

753 & 755 BROADWAY, NEW YORK. 117 & 119 STATE STREET, CHICAGO

**** *I., B., T. & Co. will send Descriptive Lists and Prices of their Publications on application.*

DANA'S GEOLOGICAL STORY BRIEFLY TOLD. An introduction to Geology for the general reader and for beginners in the Science. By Prof. JAMES D. DANA, LL. D. 1 vol. 12mo, 275 pages. Numerously illustrated and handsomely bound. $1.35.

DANA'S TEXT BOOK. Revised Edition. A Text-Book of Geology, designed for Schools and Academies. By JAMES D DANA, LL. D., Silliman Professor of Geology and Natural History, Yale College. Cloth. Fully illustrated. 350 pages. $1.80.

DANA'S MANUAL OF GEOLOGY. Third and Revised Edition, issued in January, 1880. Treating of the Principles of the Science, with special reference to American Geological History, for the use of Colleges, Academies and Schools of Science By JAMES D. DANA, LL. D., Silliman Professor of Geology and Natural History, Yale College. Illustrated by a Chart of the World, and over one thousand figures, mostly from American sources. 1 vol. 8vo. 927 pages. $4.45.

GRAY'S HOW PLANTS BEHAVE, HOW THEY MOVE, CLIMB, EMPLOY INSECTS TO WORK FOR THEM. Beautifully illustrated and printed on fine paper. 4to. 62 cents.

GRAY'S HOW PLANTS GROW. A Simple Introduction to Structural Botany, with a *Popular Flora*, or an arrangement and description of Common Plants, both wild and cultivated. Intended for young people and Common Schools. Illustrated by more than 500 engravings. 232 pages. Small quarto. 95 cents.

This book, in connection with the "School and Field Book," supplies a complete course in Botany for Common Schools, Academies, and Seminaries.

GRAY'S LESSONS IN BOTANY AND VEGETABLE PHYSIOLOGY, to which is added a copious Glossary of Dictionary of Botanical Terms. Fully illustrated. Cloth. 8vo. 236 pages. $1.10.

GRAY'S FIELD, FOREST AND GARDEN BOTANY. A simple introduction to the Common Plants of the United States east of the Mississippi, both wild and Cultivated. Cloth. 8vo. 386 pages. $1.65.

GRAY'S SCHOOL AND FIELD BOOK OF BOTANY. Comprising the "Lessons in Botany" and "Field, Forest, and Garden Botany." A most popular and comprehensive School Book, adapted to beginners and advanced classes. 1 vol. 8vo Cloth, 621 pages. $2.10.

This book, in connection with "How Plants Grow," supplies a complete course in Botany for Common Schools, Academies, and Seminaries.

GRAY'S MANUAL OF BOTANY. Arranged according to the natural system, and containing 20 plates, illustrating the Sedges, Grasses, Ferns, etc. Fifth edition, 1867. Eighth issue, 1868. Cloth. 8vo. 700 pages. $1.86.

THE SAME, bound with "The Lessons." $2.50.

This work, in connection with "The Lessons," supplies a complete course in Botany for Colleges and Scientific Schools.

GRAY'S NEW STRUCTURAL AND SYSTEMATIC BOTANY. An Introduction to Structural and Systematic Botany and Vegetable Physiology, being the *sixth* and revised edition of the Botanical Text-book. Illustrated by numerous woodcuts. 1 vol. Cloth. 8vo. 442 pages. $2.30.

The present work is not simply a reissue, but has been entirely rewritten, and its compass greatly extended.

Robinson's Higher Mathematics,
Fasquelle's French Course.
Woodbury's German Course.
L. & M. French and Spanish Grammars.
Well's New Natural Philosophy.
Webster's Dictionaries,
Eliot and Storer's Chemistry.
Swinton's Outlines of History.
Cathcart's Literary Reader, Etc., Etc.